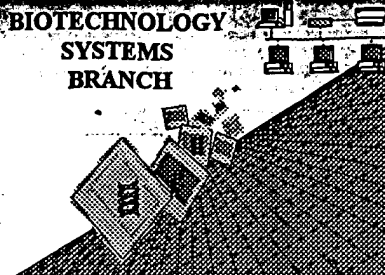


**RAW SEQUENCE LISTING
ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/010,050
Source: OIPE
Date Processed by STIC: 12/20/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission
User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, Virginia 22202

4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
Arlington, VA 22202



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Sheppard, Paul O.
5 Gilbertson, Debra G.
7 <120> TITLE OF INVENTION: SECRETED PROTEINS ENCODED BY HUMAN CHROMOSOME 13
9 <130> FILE REFERENCE: 97-38C1
11 <140> CURRENT APPLICATION NUMBER: US/10/010,050
11 <141> CURRENT FILING DATE: 2001-11-09
11 <150> PRIOR APPLICATION NUMBER: 60/053,613
12 <151> PRIOR FILING DATE: 1997-07-24
14 <150> PRIOR APPLICATION NUMBER: 09/122,383
15 <151> PRIOR FILING DATE: 1998-07-24
17 <160> NUMBER OF SEQ ID NOS: 19
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1486
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapien
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (47)...(1084)
30 <400> SEQUENCE: 1
31 gaattcggca cgagggcagg aggtagacac ggcacagggc gccgag atg cgg cgg 55
32 Met Arg Arg
33 1
35 ggc gcg ggc gcg gct cgg gga cgc gct tcc tgg tgc tgg gcg ctg gcg 103
36 Gly Ala Gly Ala Ala Arg Gly Arg Ala Ser Trp Cys Trp Ala Leu Ala
37 5 10 15
39 ctg ctt tgg ctc gcg gtg gtt ccg ggc tgg tcc cgg gtc tcg ggc atc 151
40 Leu Leu Trp Leu Ala Val Val Pro Gly Trp Ser Arg Val Ser Gly Ile
41 20 25 30 35
43 ccc tcc cgg cgc cac tgg ccg gtg ccc tac aag cgc ttt gac ttc cgt 199
44 Pro Ser Arg Arg His Trp Pro Val Pro Tyr Lys Arg Phe Asp Phe Arg
45 40 45 50
47 cca aaa cct gat cct tat tgt caa gct aag tat act ttc tgt cca act 247
48 Pro Lys Pro Asp Pro Tyr Cys Gln Ala Lys Tyr Thr Phe Cys Pro Thr
49 55 60 65
51 ggc tca cct atc cca gtt atg gag ggt gat gat gac att gaa gtt ttt 295
52 Gly Ser Pro Ile Pro Val Met Glu Gly Asp Asp Asp Ile Glu Val Phe
53 70 75 80
55 cga tta caa gcc cca gta tgg gaa ttt aaa tat gga gac ctc ctg gga 343
56 Arg Leu Gln Ala Pro Val Trp Glu Phe Lys Tyr Gly Asp Leu Leu Gly
57 85 90 95
59 cac ttg aaa att atg cat gat gcc att gga ttc aga agt aca tta act 391
60 His Leu Lys Ile Met His Asp Ala Ile Gly Phe Arg Ser Thr Leu Thr
61 100 105 110 115
63 ggc aag aac tac aca atg gaa tgg tat gaa ctt ttc caa ctt ggc aac 439
64 Gly Lys Asn Tyr Thr Met Glu Trp Tyr Glu Leu Phe Gln Leu Gly Asn
65 120 125 130

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/010,050

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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67  tgt aca ttt ccc cat ctc cga cct gaa atg gat gcc cct ttc tgg tgt      487
68  Cys Thr Phe Pro His Leu Arg Pro Glu Met Asp Ala Pro Phe Trp Cys
69                135                140                145
71  aat caa ggc gct gcc tgc ttt ttt gag gga att gat gat gtt cac tgg      535
72  Asn Gln Gly Ala Ala Cys Phe Phe Glu Gly Ile Asp Asp Val His Trp
73                150                155                160
75  aag gaa aat ggg aca tta gtt caa gta gca act ata tca gga aac atg      583
76  Lys Glu Asn Gly Thr Leu Val Gln Val Ala Thr Ile Ser Gly Asn Met
77                165                170                175
79  ttc aac caa atg gca aag tgg gtg aaa cag gac aat gaa aca gga att      631
80  Phe Asn Gln Met Ala Lys Trp Val Lys Gln Asp Asn Glu Thr Gly Ile
81  180                185                190                195
83  tat tat gag aca tgg aat gta aaa gcc agc cca gaa aag ggg gca gag      679
84  Tyr Tyr Glu Thr Trp Asn Val Lys Ala Ser Pro Glu Lys Gly Ala Glu
85                200                205                210
87  aca tgg ttt gat tcc tac gac tgt tcc aaa ttt gtg tta agg acc ttt      727
88  Thr Trp Phe Asp Ser Tyr Asp Cys Ser Lys Phe Val Leu Arg Thr Phe
89                215                220                225
91  aac aag ttg gct gaa ttt gga gca gag ttc aag aac ata gaa acc aac      775
92  Asn Lys Leu Ala Glu Phe Gly Ala Glu Phe Lys Asn Ile Glu Thr Asn
93                230                235                240
95  tat aca aga ata ttt ctt tac agt gga gaa cct act tat ctg gga aat      823
96  Tyr Thr Arg Ile Phe Leu Tyr Ser Gly Glu Pro Thr Tyr Leu Gly Asn
97                245                250                255
99  gaa aca tct gtt ttt ggg cca aca gga aac aag act ctt ggt tta gcc      871
100 Glu Thr Ser Val Phe Gly Pro Thr Gly Asn Lys Thr Leu Gly Leu Ala
101  260                265                270                275
103  ata aaa aga ttt tat tac ccc ttc aaa cca cat ttg cca act aaa gaa      919
104  Ile Lys Arg Phe Tyr Tyr Pro Phe Lys Pro His Leu Pro Thr Lys Glu
105                280                285                290
107  ttt ctg ttg agt ctc ttg caa att ttt gat gca gtg att gtg cac aaa      967
108  Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile Val His Lys
109                295                300                305
111  cag ttc tat ttg ttt tat aat ttt gaa tat tgg ttt tta cct atg aaa      1015
112  Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu Pro Met Lys
113                310                315                320
115  ttc cct ttt att aaa ata aca tat gaa gaa atc cct tta cct atc aga      1063
116  Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu Pro Ile Arg
117                325                330                335
119  aac aaa aca ctc tct ggt tta taaaacacct taattctact gctctttttt      1114
120  Asn Lys Thr Leu Ser Gly Leu
121  340                345
123  tctccaatca ccagcatctg tttttcaggg ggtgatttta cttttgtgaa ttccttagcc      1174
124  tttcttcctt ggtgcataaa gttaaaatgc acatcagcag aattgctgca tattaacatc      1234
125  tcaggactct tctcttgtaa agaagctgaa attcgtaata tattggccaa agtgagcgag      1294
126  ttagtgatc ttggtttcaa tttccgagcc tttgttaata tggagaatta tggttcatat      1354
127  cagttatgta ggacctttgg acccaggggtc ctacagatag atatggtgtg cccagatttt      1414
128  aaaaaaacct tcaaaaaataa aaaatacatt cagtgcacaa aaaaaaaaaa aaaaaatagc      1474
129  ggccgcctcg ag      1486

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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131 <210> SEQ ID NO: 2
132 <211> LENGTH: 346
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapien
136 <400> SEQUENCE: 2
137 Met Arg Arg Gly Ala Gly Ala Ala Arg Gly Arg Ala Ser Trp Cys Trp
138 1 5 10 15
139 Ala Leu Ala Leu Trp Leu Ala Val Val Pro Gly Trp Ser Arg Val
140 20 25 30
141 Ser Gly Ile Pro Ser Arg Arg His Trp Pro Val Pro Tyr Lys Arg Phe
142 35 40 45
143 Asp Phe Arg Pro Lys Pro Asp Pro Tyr Cys Gln Ala Lys Tyr Thr Phe
144 50 55 60
145 Cys Pro Thr Gly Ser Pro Ile Pro Val Met Glu Gly Asp Asp Asp Ile
146 65 70 75 80
147 Glu Val Phe Arg Leu Gln Ala Pro Val Trp Glu Phe Lys Tyr Gly Asp
148 85 90 95
149 Leu Leu Gly His Leu Lys Ile Met His Asp Ala Ile Gly Phe Arg Ser
150 100 105 110
151 Thr Leu Thr Gly Lys Asn Tyr Thr Met Glu Trp Tyr Glu Leu Phe Gln
152 115 120 125
153 Leu Gly Asn Cys Thr Phe Pro His Leu Arg Pro Glu Met Asp Ala Pro
154 130 135 140
155 Phe Trp Cys Asn Gln Gly Ala Ala Cys Phe Phe Glu Gly Ile Asp Asp
156 145 150 155 160
157 Val His Trp Lys Glu Asn Gly Thr Leu Val Gln Val Ala Thr Ile Ser
158 165 170 175
159 Gly Asn Met Phe Asn Gln Met Ala Lys Trp Val Lys Gln Asp Asn Glu
160 180 185 190
161 Thr Gly Ile Tyr Tyr Glu Thr Trp Asn Val Lys Ala Ser Pro Glu Lys
162 195 200 205
163 Gly Ala Glu Thr Trp Phe Asp Ser Tyr Asp Cys Ser Lys Phe Val Leu
164 210 215 220
165 Arg Thr Phe Asn Lys Leu Ala Glu Phe Gly Ala Glu Phe Lys Asn Ile
166 225 230 235 240
167 Glu Thr Asn Tyr Thr Arg Ile Phe Leu Tyr Ser Gly Glu Pro Thr Tyr
168 245 250 255
169 Leu Gly Asn Glu Thr Ser Val Phe Gly Pro Thr Gly Asn Lys Thr Leu
170 260 265 270
171 Gly Leu Ala Ile Lys Arg Phe Tyr Tyr Pro Phe Lys Pro His Leu Pro
172 275 280 285
173 Thr Lys Glu Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile
174 290 295 300
175 Val His Lys Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu
176 305 310 315 320
177 Pro Met Lys Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu
178 325 330 335
179 Pro Ile Arg Asn Lys Thr Leu Ser Gly Leu
180 340 345

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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182 <210> SEQ ID NO: 3
183 <211> LENGTH: 18
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Oligonucleotide ZC976
190 <400> SEQUENCE: 3
191 cgttgtaaaa cgacggcc 18
193 <210> SEQ ID NO: 4
194 <211> LENGTH: 17
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Oligonucleotide ZC447
201 <400> SEQUENCE: 4
202 taacaatttc acacagg 17
204 <210> SEQ ID NO: 5
205 <211> LENGTH: 20
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Oligonucleotide ZC14487
212 <400> SEQUENCE: 5
213 gacttcgctc caaacctga 20
215 <210> SEQ ID NO: 6
216 <211> LENGTH: 20
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Oligonucleotide ZC14716
223 <400> SEQUENCE: 6
224 aggggcatcc atttcaggtg 20
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 20
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Oligonucleotide ZC14712
234 <400> SEQUENCE: 7
235 atggctaaac caagagtctt 20
237 <210> SEQ ID NO: 8
238 <211> LENGTH: 20
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Oligonucleotide ZC14710
245 <400> SEQUENCE: 8
246 ggggtgaaaca ggacaatgaa 20
248 <210> SEQ ID NO: 9

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RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/010,050

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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249 <211> LENGTH: 20
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Oligonucleotide ZC14488
256 <400> SEQUENCE: 9
257 ttatgcacca aggaagaaag                                     20
259 <210> SEQ ID NO: 10
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Oligonucleotide ZC14711
267 <400> SEQUENCE: 10
268 ttttctccaa tcaccagcat                                     20
270 <210> SEQ ID NO: 11
271 <211> LENGTH: 18
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Oligonucleotide ZC14430
278 <400> SEQUENCE: 11
279 gtacatttcc ccatctcc                                     18
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 18
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Oligonucleotide ZC14431
289 <400> SEQUENCE: 12
290 ccattttcct tccagtga                                     18
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293 <211> LENGTH: 1038
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig46
299 polypeptide of SEQ ID NO:2
301 <400> SEQUENCE: 13
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W--> 303 yntnggytng cngtngtncc nggntggwsn mgngtnwsng gnathccnws nmgnmgncay 120
W--> 304 tggccngtnc cntayaarmg nttygaytty mgncnnaarc cngayccnta ytgycargcn 180
W--> 305 aartayacnt tytgyccnac nggnwnsccn athccngtna tggarggnga ygaygayath 240
W--> 306 gargtnttym gnytnccargc nccngtntgg garttyaart ayggngayyt nytnngncay 300
W--> 307 ytnaaratha tgcaygaygc nathggntty mgnwnsnacny tnacnggnaa raaytayacn 360
W--> 308 atggartggt aygaryntt ycarytnggn aaytgyacnt tyccncayyt nmgnccngar 420
W--> 309 atggaygcnc cnttytggtg yaaycarggn gcngcntgyt tyttygargg nathgaygay 480
W--> 310 gtncaytgga argaraaygg nacnytngtn cargtngcna cnathwsngg naayatgty 540
W--> 311 aaycaratgg cnaartgggt naarcargay aaygaracng gnathtayta ygaracntgg 600

```

see
item 9
on Ena
summary
sheet

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:26

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:302 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:302 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:303 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:303 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:304 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:304 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:306 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:306 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:307 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:307 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:308 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:308 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:309 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:309 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:310 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:310 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:311 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:311 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:312 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:313 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:313 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:314 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:314 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:315 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:315 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:316 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:316 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:317 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:26

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

L:317 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:318 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:318 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:319 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:319 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/019,050
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	